



**Institute of Transport Studies (Monash)**  
The Australian Research Council Key Centre in Transport Management

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World Transit Research Newsletter

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6-2020

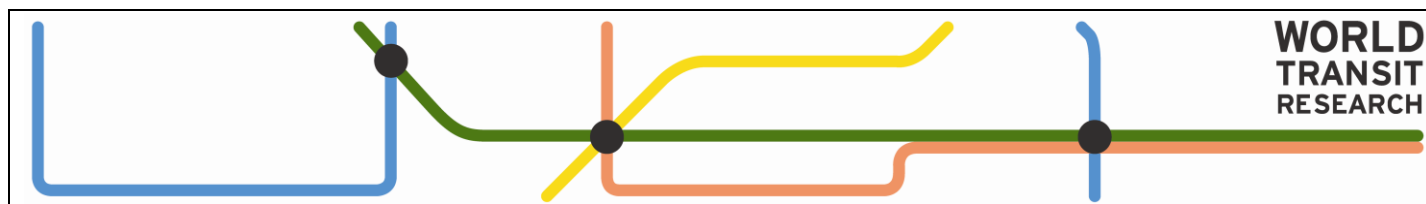
## World Transit Research June 2020 Newsletter

Institute of Transport Studies Monash University

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## World Transit Research

### June 2020 Newsletter

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Welcome to the WORLD TRANSIT RESEARCH (WTR) clearinghouse newsletter. This newsletter, which is published bi-monthly, summarises new research published in the field which has been added to the World Transit Research clearinghouse research database.

WTR is now used by public transport researchers in over 8,000 cities and towns in 170 countries worldwide.

#### **BACKGROUND**

World Transit Research (WTR) is designed to help public transport practitioners and researchers get easier access to quality research in the field of public transport planning. WTR is a free repository of research papers, reports, research abstracts and links to research findings from leading research journals indexed and searchable to ensure easier access to topics of interest. The site is developed and run by the [Public Transport Research Group](#) at the Institute of Transport Studies, Monash University. The clearinghouse performs the following functions:

- Search/Find – The database is searchable on key words and also via a list of subject areas
- Newsletter Subscription – Those accessing the website can enrol in a free email newsletter. This broadcasts new publications in the field every 2 months
- Links – links to relevant associated sites are provided
- Submit Research – Researchers can use the website to suggest items for inclusion in the database. Copyright requirements are described.

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Your recommendation can help grow our number of subscribers. Do you know someone interested in public transport research that would like to receive this newsletter? Ask them to go to <http://www.worldtransitresearch.info/> and enter their email address in the box provided under Newsletter.

#### **NEW ADDITIONS**

World Transit Research clearinghouse now includes some 7,861 research reports/papers. Some 95 published papers have been added. The new ones are listed in the attached table. In addition new journals and relevant papers are also occasionally added from previous publication records.

#### **CONTRIBUTE YOUR RESEARCH AND INCREASE YOUR CITATIONS**

Should you have any relevant papers that you think should be included in this repository, please log on to [www.worldtransitresearch.info](http://www.worldtransitresearch.info) and click on the Submit Research icon. The WTR Clearinghouse is a very effective tool to increase author citations of research since it acts to publicise your research to those interested in this field.

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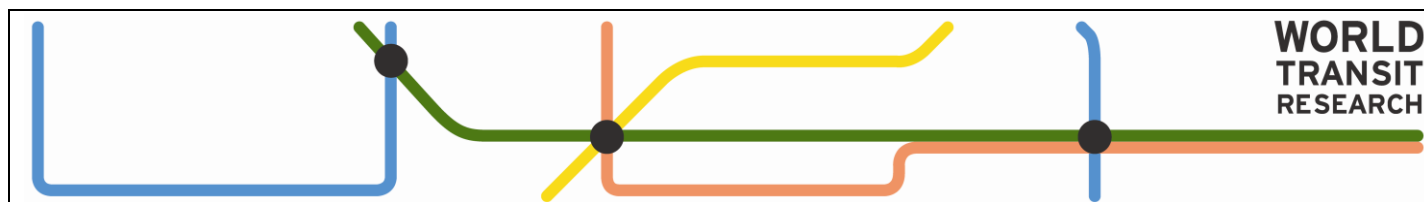
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#### **SUGGESTIONS WELCOMED**

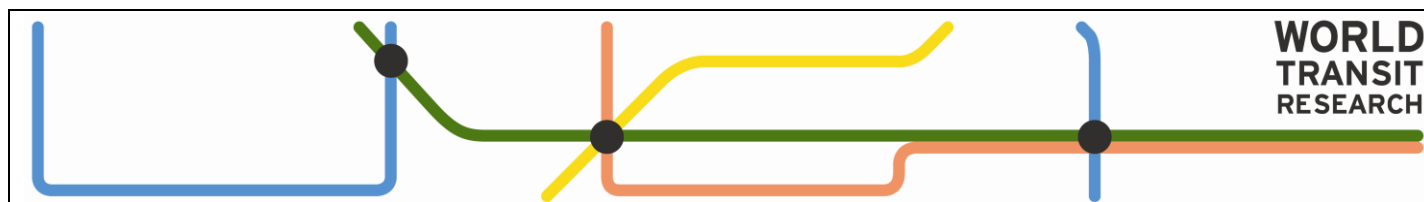
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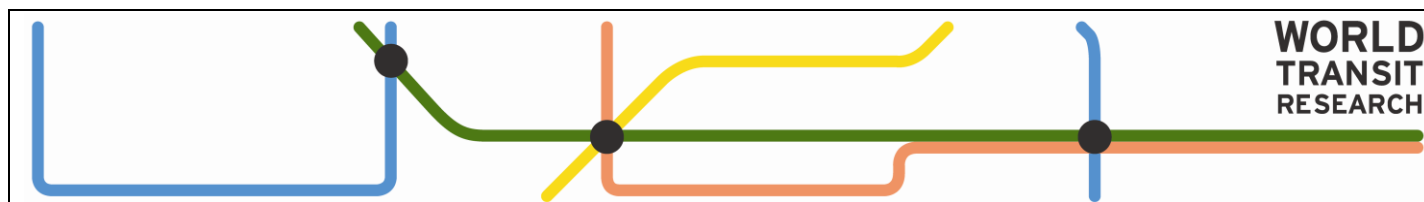


## WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
N Dehouche	<a href="#">The k-interchange-constrained diameter of a transit network: a connectedness indicator that accounts for travel convenience</a>	Planning
Y Song, Y Huang	<a href="#">Investigating Complementary and Competitive Relationships between Bikeshare Service and Public Transit: A Spatial-Temporal Framework</a>	Planning
O Cats, J West	<a href="#">Learning and Adaptation in Dynamic Transit Assignment Models for Congested Networks</a>	Planning
A Alexander	<a href="#">Attracting, Retaining, and Advancing Women in Transit</a>	Planning
T Zuo, H Wei, N Chen, C Zhang	<a href="#">First-and-last mile solution via bicycling to improving transit accessibility and advancing transportation equity</a>	Planning
J Lin, L Cao, N Li	<a href="#">How the completeness of spatial knowledge influences the evacuation behavior of passengers in metro stations: A VR-based experimental study</a>	Planning
D He, Y Yang, Y Chen, J Deng, S Shan, J Liu, X Li	<a href="#">An integrated optimization model of metro energy consumption based on regenerative energy and passenger transfer</a>	Planning
F Cavallaro, A Dianin	<a href="#">An innovative model to estimate the accessibility of a destination by public transport</a>	Planning
A Arabian, S Masjoodi, B Makkiabadi, E Ghafari, E Nassaj, S Zakerian	<a href="#">Determination of critical time points in non-collision incidents of elderly passengers in standing position on urban bus</a>	Planning
P Bye, E Frazier	<a href="#">Transit Security Preparedness</a>	Planning
Z Qi, S Lim, T Rashidi	<a href="#">Assessment of transport equity to Central Business District (CBD) in Sydney, Australia</a>	Planning
M Enoch, R Cross, N Potter, C Davidson, S Taylor, R Brown, H Huang, J Parsons, S Tucker, E Wynne, D Grieg, G Campbell, A Jackson, S Potter	<a href="#">Future local passenger transport system scenarios and implications for policy and practice</a>	Planning
I Dakic, L Ambühl, O Schümperlin, M Menendez	<a href="#">On the modeling of passenger mobility for stochastic bi-modal urban corridors</a>	Planning
H Pinto, M Hyland, H Mahmassani, I Verbas	<a href="#">Joint design of multimodal transit networks and shared autonomous mobility fleets</a>	Planning
H Sayarshad, H Gao	<a href="#">Optimizing dynamic switching between fixed and flexible transit services with an idle-vehicle relocation strategy and reductions in emissions</a>	Planning
J Allen, L Eboli, G Mazzulla, J de Dios Ortúzar	<a href="#">Effect of critical incidents on public transport satisfaction and loyalty: an Ordinal Probit SEM-MIMIC approach</a>	Planning
M Almardood, P Maghelal	<a href="#">Enhancing the use of transit in arid regions: Case of Abu Dhabi</a>	Planning
J de Oña, E Estévez, R de Oña	<a href="#">Perception of Public Transport Quality of Service among Regular Private Vehicle Users in Madrid, Spain</a>	Planning
C Nikel, G Eldeeb, M Mohamed	<a href="#">Perceived Quality of Bus Transit Services: A Route-Level Analysis</a>	Planning
T Ross, A May, S Cockbill	<a href="#">The personal and contextual factors that affect customer experience during rail service failures and the implications for service design</a>	Planning
C Bernhard, D Oberfeld, C Hoffmann, D Weismüller, H Hecht	<a href="#">User acceptance of automated public transport: Valence of an autonomous minibus experience</a>	Planning
Z Dai, X Liu, X Chen, X Ma	<a href="#">Joint optimization of scheduling and capacity for mixed traffic with autonomous and human-driven buses: A dynamic programming approach</a>	Planning
L Yang, Z Di, M Dessouky, Z Gao, J Shi	<a href="#">Collaborative optimization of last-train timetables with accessibility: A space-time network design based approach</a>	Planning
D Asplund, R Pyddoke	<a href="#">Optimal fares and frequencies for bus services in a small city</a>	Planning
C McTigue, T Rye, J Monios	<a href="#">Identifying barriers to implementation of local transport policy – Lessons learned from case studies on bus policy implementation in Great Britain</a>	Planning
M Cai, J Jiao, M Luo, Y Liu	<a href="#">Identifying transit deserts for low-income commuters in Wuhan Metropolitan Area, China</a>	Planning
J Narayan, O Cats, N van Oort, S Hoogendoorn	<a href="#">Integrated route choice and assignment model for fixed and flexible public transport systems</a>	Planning
A Yang, B Wang, J Huang, C Li	<a href="#">Service replanning in urban rail transit networks: Cross-line express trains for reducing the number of passenger transfers and travel time</a>	Planning
G Wang, A Chen, S Kitthamkesorn, S Ryu, H Qi, Z Song, J Song	<a href="#">A multi-modal network equilibrium model with captive mode choice and path size logit route choice</a>	Planning
S Luo, Y Nie	<a href="#">On the role of route choice modeling in transit sketchy design</a>	Planning
R Knowles, F Ferbrache, A Nikitas	<a href="#">Transport's historical, contemporary and future role in shaping urban development: Re-evaluating transit oriented development</a>	Land use



M Boarnet, R Bostic, S Rodnyansky, E Burinskiy, A Eisenlohr, H Jamme, R Santiago-Bartolomei	<a href="#">Do high income households reduce driving more when living near rail transit?</a>	Land use
S He	<a href="#">Regional impact of rail network accessibility on residential property price: Modelling spatial heterogeneous capitalisation effects in Hong Kong</a>	Land use
L Yang, Y Chen, N Xu, R Zhao, K Chau, S Hong	<a href="#">Place-varying impacts of urban rail transit on property prices in Shenzhen, China: Insights for value capture</a>	Land use
D Rodriguez, C Kang	<a href="#">A typology of the built environment around rail stops in the global transit-oriented city of Seoul, Korea</a>	Land use
J Li, H Huang	<a href="#">Effects of transit-oriented development (TOD) on housing prices: A case study in Wuhan, China</a>	Land use
V D'Elia, M Grand, S León	<a href="#">Bus rapid transit and property values in Buenos Aires: Combined spatial hedonic pricing and propensity score techniques</a>	Land use
D Kasraian, S Raghav, E Miller	<a href="#">A multi-decade longitudinal analysis of transportation and land use co-evolution in the Greater Toronto-Hamilton Area</a>	Land use
S Jackson, J Buckman	<a href="#">Light rail development with or without gentrification?: Neighborhood perspectives on changing sense of place in Denver, Colorado</a>	Land use
Z Gan, M Yang, T Feng, H Timmermans	<a href="#">Examining the relationship between built environment and metro ridership at station-to-station level</a>	Land use
M Freudendal-Pedersen	<a href="#">Sustainable urban futures from transportation and planning to networked urban mobilities</a>	Land use
G Lyu, L Bertolini, K Pfeffer	<a href="#">How does transit-oriented development contribute to station area accessibility? A study in Beijing*</a>	Land use
S Li, D Lyu, X Liu, Z Tan, F Gao, G Huang, Z Wu	<a href="#">The varying patterns of rail transit ridership and their relationships with fine-scale built environment factors: Big data analytics from Guangzhou</a>	Ridership
B Cui, G Boisjoly, L Miranda-Moreno, A El-Geneidy	<a href="#">Accessibility matters: Exploring the determinants of public transport mode share across income groups in Canadian cities</a>	Ridership
<b>R Shafi, A Delbosc, G Rose</b>	<a href="#">Travel attitudes and mode use among Asian international students at an Australian university</a>	Ridership
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M Wicki, S Guidon, F Becker, K Axhausen, T Bernauer	<a href="#">How technology commitment affects mode choice for a self-driving shuttle service</a>	Ridership
J Wu, H Liao	<a href="#">Weather, travel mode choice, and impacts on subway ridership in Beijing</a>	Ridership
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A Vigren, R Pyddoke	<a href="#">The impact on bus ridership of passenger incentive contracts in public transport</a>	Ridership
A Ababio-Donkor, W Saleh, A Fonzone	<a href="#">Understanding transport mode choice for commuting: the role of affect</a>	Ridership
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J Wang, T Yamamoto, K Liu	<a href="#">Key determinants and heterogeneous frailties in passenger loyalty toward customized buses: An empirical investigation of the subscription termination hazard of users</a>	Ridership
D Lope, A Dolgun	<a href="#">Measuring the inequality of accessible trams in Melbourne</a>	Policy
C Carr, M Hesse	<a href="#">Mobility policy through the lens of policy mobility: The post-political case of introducing free transit in Luxembourg</a>	Policy
L Sagaris, E Berríos, I Tiznado-Aitken	<a href="#">Using PAR to frame sustainable transport and social justice on policy agendas. A pilot experience in two contrasting Chilean cities</a>	Policy
L Guzman, J Arellana, V Alvarez	<a href="#">Confronting congestion in urban areas: Developing Sustainable Mobility Plans for public and private organizations in Bogotá</a>	Policy
Y Tang, H Yang, B Wang, J Huang, Y Bai	<a href="#">A Pareto-improving and revenue-neutral scheme to manage mass transit congestion with heterogeneous commuters</a>	Policy
J Hwang, W Li, L Stough, C Lee, K Turnbull	<a href="#">A focus group study on the potential of autonomous vehicles as a viable transportation option: Perspectives from people with disabilities and public transit agencies</a>	Policy
M Börjesson, J Eliasson, I Rubensson	<a href="#">Distributional effects of public transport subsidies</a>	Policy
I Rubensson, Y Susilo, O Cats	<a href="#">Is flat fare fair? Equity impact of fare scheme changes flat fare fair? Equity impact of fare scheme change</a>	Policy
H Farooqi, M Mesbah, J Kim	<a href="#">Behavioural advertising in the public transit network</a>	Technology
M Beecroft	<a href="#">The future security of travel by public transport: A review of evidence</a>	Technology



D Zhuang, S Hao, D Lee, G Jin	<a href="#">From compound word to metropolitan station: Semantic similarity analysis using smart card data</a>	Technology
I Alhassan, B Matthews, J Toner, Y Susilo	<a href="#">The Movingo integrated ticket: seamless connections across the mälardalen region of Sweden</a>	Technology
A Waraich, S Anowar, T Tenaglia, T Sider, A Alam, N Minaei, M Hatzopoulou, N Eluru	<a href="#">Disaggregate level simulation of bus transit emissions in a large urban region</a>	Technology
<b>K An, W Jing, I Kim</b>	<a href="#">Battery-swapping facility planning for electric buses with local charging systems</a>	Technology
Y Li, D Yang, X Hu	<a href="#">A differential privacy-based privacy-preserving data publishing algorithm for transit smart card data</a>	Technology
D Morales, J Muñoz, P Gazmuri	<a href="#">A stochastic model for bus injection in an unscheduled public transport service</a>	Operations
H Larrain, J Muñoz	<a href="#">The danger zone of express services: When increasing frequencies can deteriorate the level of service</a>	Operations
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C Kang, C Feng, B Liao, H Khan	<a href="#">Accounting for air pollution emissions and transport policy in the measurement of the efficiency and effectiveness of bus transits</a>	Operations
A Halse, V Østli, M Killi	<a href="#">Revealed and stated preferences for reliable commuter rail in Norway</a>	Operations
X Li, P Love	<a href="#">Employing land value capture in urban rail transit public private partnerships: Retrospective analysis of Delhi's airport metro express</a>	Economics
M Rupp, C Rieke, N Handschuh, I Kuperjans	<a href="#">Economic and ecological optimization of electric bus charging considering variable electricity prices and CO<sub>2</sub>eq intensities</a>	Economics
J Yang, L Zhu, Y Duan, J Zhou, H Ma	<a href="#">Developing metro-based accessibility: Three aspects of China's Rail+Property practice</a>	Economics
K Obeng, R Sakano	<a href="#">Effects of government regulations and input subsidies on cost efficiency: A decomposition approach</a>	Economics
T Vu, J Preston	<a href="#">Assessing the social costs of urban transport infrastructure options in low and middle income countries</a>	Economics
M Smart, N Klein	<a href="#">Disentangling the role of cars and transit in employment and labor earnings</a>	Economics
T Zhang, R Zhao, E Ballantyne, D Stone	<a href="#">Increasing urban tram system efficiency, with battery storage and electric vehicle charging</a>	Infrastructure
J Kim, K Bartholomew, R Ewing	<a href="#">Another one rides the bus? The connections between bus stop amenities, bus ridership, and ADA paratransit demand</a>	Infrastructure
W Iv, A Li, J Ma, H Cui, X Zhang, W Zhang, Y Guo	<a href="#">Relative importance of certain factors affecting the thermal environment in subway stations based on field and orthogonal experiments</a>	<b>Infrastructure</b>
T Liu, A Ceder	<a href="#">Battery-electric transit vehicle scheduling with optimal number of stationary chargers</a>	Infrastructure
J Zhang, D Wang, M Meng	<a href="#">Optimization of bus stop spacing for on-demand public bus service</a>	Infrastructure
P White	<a href="#">The influence of regulatory environments on public transport service provision: A British case study</a>	Organisation
E Lucken, K Trapenberg Frick, S Shaheen,	<a href="#">"Three Ps in a MOD:" Role for mobility on demand (MOD) public-private partnerships in public transit provision</a>	Organisation
C Brand, G Sieg	<a href="#">The impact of delays on the welfare effects of on-track competition: The case of transfer passengers with operator-tied tickets</a>	Organisation
P Rode, B Terreffe, N da Cruz	<a href="#">Cities and the governance of transport interfaces: Ethiopia's new rail systems</a>	Organisation
M Zhang, B Yen, C Mulley, N Sipe	<a href="#">An investigation of the open-system Bus Rapid Transit (BRT) network and property values: The case of Brisbane, Australia</a>	Mode
M Yu, R Yu, Y Tang, Z Liu	<a href="#">Empirical study on the impact of China's metro services on urban transportation energy consumption</a>	Mode
S Molinillo, M Ruiz-Montañez, F Liébana-Cabanillas	<a href="#">User characteristics influencing use of a bicycle-sharing system integrated into an intermodal transport network in Spain</a>	Mode
G Luna-Cortés	<a href="#">Stress perceived by foreigners that use public transportation in Bogotá (Colombia)</a>	Literature Review
N Bešinović	<a href="#">Resilience in railway transport systems: a literature review and research agenda</a>	Literature Review

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